

IN THE CLAIMS

Claims 1-34 (canceled)

35. (new) A hip joint prosthesis comprising an inner sliding cup comprising a ceramic material; a plastic covering which receives the inner sliding cup; and an outer metal cup wherein the sliding cup has depressions on an outside thereof, wherein the depressions have a notch radius greater than 0.5 mm at a notch base thereof, and wherein the plastic covering has corresponding raised structures that are received by said depressions.
36. (new) A hip joint prosthesis according to claim 35, wherein the depressions undulate in section.
37. (new) A hip joint prosthesis according to claim 36, wherein the depressions are circumferentially arranged on the outside of the sliding cup.
38. (new) A hip joint prosthesis according to claim 35, wherein the depressions are semicircular.
39. (new) A hip joint prosthesis according to claim 35, wherein the sliding cup has on its outside a spherical or stepped structural form.
40. (new) A hip joint prosthesis according to claim 35, wherein the plastic covering embraces the sliding cup at its end.
41. (new) A hip joint prosthesis according to claim 40, wherein the plastic covering has a collar that rests on the upper side of the sliding cup and covers almost half of upper edge thereof.
42. (new) A hip joint prosthesis according to claim 35, wherein the sliding cup is pressably connected to the plastic covering.

43. (new) A hip joint prosthesis according to claim 35, wherein the inner form of the sliding cup is arranged eccentrically in relation to the outer form of the sliding cup.

44. (new) A hip joint prosthesis according to claim 43, wherein the variation with respect to the coaxiality is at least 0.001 mm.

45. (new) A hip joint prosthesis comprising an inner sliding cup made of a ceramic material and having an outer surface; and

another plastic covering surrounding the outer surface of the inner sliding cup;

wherein the outer surface of the sliding cup has structuring thereon, wherein the structuring has notch radii in a notch base, and wherein the notch radius at the notch base is greater than 0.5 mm.